





**PAGER** Version 3

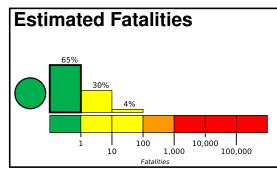
Created: 1 day, 0 hours after earthquake

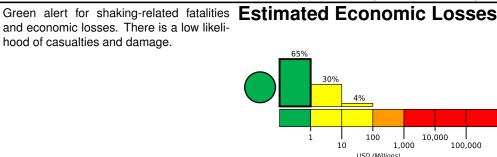
10,000

100,000

## M 6.5, 42 km W of Sola, Vanuatu

Origin Time: 2023-08-16 12:47:40 UTC (Wed 23:47:40 local) Location: 13.8814° S 167.1582° E Depth: 193.0 km





**Estimated Population Exposed to Earthquake Shaking** 

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	_*	96k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

## Population Exposure

population per 1 sq. km from Landscan

# 5000 166.1°E 167.2°E 168.4°E 12.6°S હ 13.8°S 14.9°S Port-Olry amata ganville 100

#### PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us7000knq0#pager

### **Structures**

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

## **Historical Earthquakes**

		-		
Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1980-07-09	160	6.0	IV(2k)	-
1999-08-22	268	6.5	IX(2k)	_
2002-11-27	107	5.8	V(19k)	0

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

#### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Saratamata	<1k
IV	Sola	1k
IV	Port-Olry	2k
IV	Luganville	13k

bold cities appear on map.

(k = x1000)

Event ID: us7000knq0